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		-S- TWINDHWALTON
25X1X	2.	I know that suggestions for the improvement or alteration of equipment were sent to the Central Artillery Institute  time the corps artificity officer told me only two copies were necessary as the Central Artillery Institute no longer required the third copy which formerly was requested. All three copies had been sent through appropriate military channels (division to corps to group to Moscow), and in the Moscow Artillery Headquarters the third copy was delivered to the Central Artillery Institute. The practice of submitting suggestions for the improvement of equipment was common to all types of troops, and for this purpose a regular form (range card) was distributed to company units.  [Attached as Enclosure (A) is a copy of the form as reproduced from memory by the Source.]
25X1X	3.	The Academy of Artillery Science publishes scientific artillery literature, treatises, manuals and firing tables. During the period f have seen two periodicals and one book published by the Academy of Artillery Science.
	4.	A monthly magazine, entitled Artilleryman (Artillerist), is distributed to artillery units and is classified "for official use only".
	5.	Information Bulletin was a publication devoted to describing new weapons and the alteration of old ones. New patents (suggestions) by designers or artillery personnel for such things as miniature firing ranges or remote control equipment were also published in this magazine. A section was devoted to tactical artillery problems. The Information Bulletin was classified "Secret" and was handled by the Secret Document Section of the Unit. It was not distributed to any artillery unit lower than a "separate battallon" or a regiment. This publication was not in section of the Unit. It was not distributed and irregular numbering system difference from distributed an "orderary magazine".
	6.	I also saw a book entitled Artitlety in the Buttle of Leningrad Based on the Experiences of the Fatherland was which was published by the Academy of Artiflery Science. Many such general books were published by the Academy and were "for official use only".
	7.	I believe that the Academy onto takes other types of literature because of the explanation given in the newspapers about the Academy's functions as the main Soviet body in charge of all scientific artillery problems.
25X1X	8.	
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Enclosure (A): Sample of Soviet Army Range Card

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Enclosure (A) SECRET/SECURITY INFORMATION	25X1X
Range Card	
Unit: Subdivision:	25X1X
Rank and Name of Person Conducting Fire: Major	25X1X
Problem #. 4 Flight#: First Color of Tow Target: White	•
Number of Fired Shells: 72 Number of Impacts: Normal	
Firing Time: 20 seconds Firing Range: Ordruf	
Number of Salovos Above - Below Right - Left	
Fire! 10 0-05	
Speed below 20 10 0-05	
Speed above 20 10 0-05 0-05 0-05	
Speed of the Aircraft as Determined by Person Conducting Fire: 80 m/sec	3
Distance taken from Range-finder: 2400 m	
Flight Direction: To Battery Position	
Elements of Target as Received from Firing Range Crew:	
Speed: Not given Distance: Not given Flight direction: Not given	
Evaluation of Results: Person conducting fire seems to be thoroughly familiar with firing techniques and practices. Firing commands were given correctly; adjustment of fire was done without delay and correctly. Proves to be able to conduct battery fire.	ı
Exact Timing of Firing (Khronometrazh)	•
Given Command: Period of Time Elapsed from the Starting Command until Command "Fire":	
At the Tow-Target!  Above 12!  Speed 80!  20 seconds  24!  32 seconds  Short Salovos!  44 seconds  Fire!  56 seconds	
Evaluation of Battery Fire: Fire teamwork. Gun crews are well trained and thoroughly familiar with their duties.	
Rating "Excellent"	
Firing Conducted by: /signed/ Major	25X1X 25X1X
Supervised by /signed/ Lt Col	25X1X 25X1X
Official Seal	

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